

**SECTION IV  
URBAN CATEGORY  
FIVE-YEAR IMPLEMENTATION PLAN  
July 2003 through June 2008**

**A. URBAN CATEGORY MMs AND ISSUES OF CONCERN**

The SWRCB, CCC and other State agencies have identified fifteen MMs to address urban sources of pollution, which utilize two primary strategies: (1) the prevention of pollutant loadings and (2) the treatment of unavoidable loadings. The Urban Category MM strategy emphasizes pollution prevention and source reduction practices over treatment practices, as the most cost-effective means of controlling urban runoff pollution, including that caused by faulty septic systems, from affecting waters of California. The fifteen Urban Category MMs are listed in Table IVA below, and further described in Appendix II of this document.

**Table IVA  
Urban Category MMs**

<b>MM Code</b>	<b>Urban MM Title</b>
3.1	Runoff from Developing Areas
A.	Watershed Protection
B.	Site Development
C.	New Development
3.2	Runoff from Construction Sites
A.	Construction Site Erosion and Sediment control
B.	Construction Site Chemical Control
3.3	Runoff from Existing Development
A.	Existing Development
3.4	On-site Disposal Systems (OSDS)
A.	New OSDSs
B.	Operating OSDSs
3.5	Transportation Development (Roads, Highways, and Bridges)
A.	Planning, Siting, and Developing Roads and Highways
B.	Bridges
C.	Construction Projects
D.	Chemical Control
E.	Operation and Maintenance
F.	Road, Highway, and Bridge Runoff Systems
3.6	Education/Outreach
A.	Pollution Prevention/Education: General Sources

The Urban Category of the NPS Program addresses pollutants in storm water and non-storm water that are carried by runoff from urbanized areas. As water washes over the land, whether it comes from rain, car washing or the watering of lawns, it intercepts and picks up an array of contaminants that it encounters along the way. These contaminants include a wide variety of material, such as oil, sand, de-icing chemicals, litter, bacteria, nutrients, toxic materials and general debris from urban and

suburban areas. Construction is a major source of sediment erosion, petroleum hydrocarbons result mostly from automobile sources, nutrient and bacterial contaminants include garden fertilizers, yard waste, and animal waste. The operation of faulty septic systems can also lead to groundwater and surface water contamination with nutrients, sediment and pathogens. As populations increase, the potential for increase in pollutant loadings in runoff also increases, and this runoff will eventually find its way into waterways, either directly or through constructed storm drain diversions.

Table IVB for the NPS Urban Category provides the activities that California agencies will be involved in over the next five-year period to reduce and prevent urban runoff pollution, including pollution from on-site disposal systems (OSDSs). Some NPS activities might include utilization of vegetated treatment systems to control discharges of urban NPS pollution. In these instances the activities will be listed in the Wetlands and Riparian Category (Section VII) under Wetlands MM 6C, Vegetated Treatment Systems. A description of the role of various programs in California, with respect to urban NPS pollution control, the five-year objectives for the NPS Urban Category, and the specific activities that will address these objectives are provided below.

## **B. RELATION TO OTHER STATE PROGRAMS:**

California is committed to prevention and control of the runoff pollution that occurs with increasing urbanization on the coastal zones, along inland waters, and to groundwaters of the State. The NPS Program Plan acknowledges the types of pollution that are derived from urban runoff, which are addressed through a variety of regulatory and non-regulatory programs in the State. Each State department and program may have separate and distinct programmatic objectives and authorities to enforce them, but all maintain the common goal of reducing or eliminating the effects of polluted runoff in waters of the State.

There are some State programs that are sufficiently similar in their objectives, that additional clarification of the differences between them is necessary. These programs include the TMDL and the NPDES Stormwater Programs as implemented by SWRCB and the RWQCBs; the coastal planning and permitting programs that are under the jurisdiction of the California Coastal Commission (CCC) and San Francisco Bay Conservation Development Commission (BCDC); and other local ordinances and initiatives. All of these play a role in the strategy that California is utilizing to address urban sources of pollution and are described below.

### **1. SWRCB and RWQCB's Impaired Water Bodies List and TMDLs**

Under Section 303(d) of the Clean Water Act, California is required to compile a list of impaired waters that fail to meet applicable water quality objectives or that cannot support their beneficial uses. This list, called the '303(d)' list is submitted to Congress every two years, and California is required to develop a Total Maximum Daily Load (TMDL) for each pollutant causing impairment to the waterbodies that are listed. California maintains a list of impaired water bodies which is a combination of those identified in the 303(d) listing, in the TMDL list that remain impaired, and in water bodies that are otherwise not meeting beneficial uses.

The key steps in TMDL development include defining the problem, including determining the causes of impairment, selecting appropriate numeric targets for the given pollutants, identifying sources of pollutant loadings, evaluating the linkage between pollutant loading and in-stream response, allocating portions of the available load to the various dischargers, and identifying follow-up monitoring needs. Once the TMDL has been completed, a TMDL implementation plan will be developed to remedy the impaired water body.

Over the next five-year period, California is planning to expend significant funds and effort to develop the TMDLs for water bodies identified on the 303(d) list, and to develop pollution reduction implementation plans for those that have completed TMDLs. These TMDL implementation plans utilize the MMs identified in California's NPS Program Plan (or other MMs where appropriate) where the source(s) of impairment are NPS.

## **2. SWRCB and RWQCB's NPDES Stormwater Program**

The Urban NPS Program and Storm Water Programs are intricately linked in that both programs address aspects of urban runoff pollution. With respect to programs within the SWRCB and the RWQCBs, urban runoff is addressed primarily through the National Pollution Discharge Elimination System (NPDES) Permitting Program, although the SWRCB NPS Program will apply where the runoff is not regulated as a permitted point source discharge.

This permitted 'point source' system of addressing urban runoff pollution is the result of the Water Quality Act of 1987, which amended the federal Clean Water Act to require NPDES permits for certain categories of storm water discharges. These 'categories' of storm water discharges are described as follows:

Phase I of the Storm Water program, defined in federal regulation in 1990, includes storm water discharges associated with "industrial" activities (as defined by the regulations), construction activities that disturb five acres of land or more, and discharges from municipal separate storm sewer systems (MS4s) serving populations of 100,000 people or more. Phase II of the Storm Water program, defined in federal regulations in 1999, expanded the program to require NPDES permits for discharges from construction sites disturbing between one and five acres, from Small MS4s that serve populations of less than 100,000, from some other governmental facilities, and from industrial facilities owned by small municipalities. The expansion of the Storm Water program through Phase II has therefore expanded the applicability of the NPDES point source program to a greater number of communities, businesses, government facilities, and industries. The result is that most urban runoff in California is now subject to NPDES permits.

The expansion of the storm water NPDES program has resulted in applying NPDES requirements in areas where NPS was previously the sole regulatory program. It is important to understand that the NPDES program supercedes the SWRCB or RWQCB NPS Program in the areas where there is overlap. NPDES permits require implementation of best management practices (BMPs), which may or may not be similar to the MMs in the NPS Program. However, the SWRCB/RWQCB's NPDES program does not supercede the planning and land-use activities of other State agencies, such as the CCC or the SFBCDC, which they are responsible for implementing under their own regulatory authorities.

The SWRCB/RWQCB NPDES permits are at least as stringent as the NPS Program, and will ensure at least the same level of compliance and water quality protection as the NPS Program's Management Measures provide; where relevant and appropriate, the NPS MMs will continue to be considered as BMPs. Further, the authority of the SWRCB/RWQCB NPS Program will still apply for land use activities not covered by NPDES permits, and for municipalities, construction sites and industries that fall outside of the Phase I and Phase II Storm Water Programs.

## **3. Local Coastal Planning and Permitting**

In 1976, the State Legislature enacted the California Coastal Act to provide for the conservation and planned development of the State's coastline. The Coastal Act mandates the protection and restoration of coastal waters pursuant to several sections in the Public Resources Code. Mandated objectives include:

- To maintain, enhance, and, where feasible, restore marine resources;
- To maintain and, where feasible, restore biological productivity and the quality of coastal waters, streams, wetlands, estuaries, and lakes through, among other means, minimizing adverse effects of wastewater discharges and entrainment, controlling runoff, preventing depletion of ground water supplies and substantial interference with surface water flow, encouraging wastewater reclamation, maintaining natural vegetation buffer areas that protect riparian habitats, and minimizing alteration of natural streams; and
- To carry out a public education program to promote coastal conservation.

In order to carry out these policies, the Coastal Act delegates to local governments specified authority to regulate coastal development. The Coastal Act directs each of the 73 coastal cities and counties to prepare, for review and certification by the California Coastal Commission (CCC), a local coastal plan (LCP) which will manage resources of State, regional, and national significance in ways that respect special circumstances in each locality. An LCP consists of a local government's land use plans (LUPs), zoning ordinances, zoning district maps, and, within sensitive coastal resource areas, other implementing actions. The CCC works with local governments to tailor LCPs to reflect local issues and concerns while simultaneously meeting the statewide goals and policies of the Coastal Act, as well as federal CWA, Storm Water, and other State water quality requirements. Until the CCC has certified a locality's LCP as consistent with Coastal Act requirements, the CCC is generally responsible for reviewing coastal development permit (CDP) applications for development within that jurisdiction.

Upon LCP certification, the local government reviews CDP applications for consistency with LCP policies. The local government can approve, conditionally approve, or deny applications, subject to the requirements of the LCP. However, some local government actions on certain categories of development may be appealed to the CCC. CDPs and certified LCPs are important tools for implementing urban runoff MMs and MPs within the Coastal Zone. Storm water programs can become more effective because of local planning and permitting decisions throughout the State. In the Coastal Zone, those local decisions must conform to the policies of the California Coastal Act or to a certified LCP, as well. Where the CCC has jurisdiction, it's staff is routinely requesting the development permit applicants to incorporate NPS MMs and MPs that will prevent, reduce or treat polluted runoff from their proposed developments. CCC staff is also working with local governments to incorporate urban MMs and MPs into their respective LCPs. Policy guidance and assistance to local governments to facilitate coordinated implementation of municipal storm water systems, NPS Urban MMs and Coastal Act water quality requirements is also provided.

In 1965, the California Legislature created the San Francisco Bay Conservation and Development Commission (BCDC) in response to broad public concern over the future of San Francisco Bay. It was also established in order to accomplish two primary goals: preventing unnecessary filling of San Francisco Bay and increasing public access to and along the Bay shoreline. BCDC has regulatory and planning authority over development in San Francisco Bay and along the Bay's nine-county shoreline and is responsible for carrying out two state laws – the McAteer-Petris Act

and the Suisun Marsh Preservation Act – and two plans, the *San Francisco Bay Plan* and the *Suisun Marsh Protection Plan*. These laws and plans were adopted to protect the Bay and the Suisun Marsh as significant natural resources for the benefit of the public and to encourage development compatible with this protection. The types of activities that require a permit include the placement of fill, dredging or other extraction of materials, any substantial change in the use of an area, and most development in the Suisun Marsh.

Within its jurisdiction and authority, the BCDC seeks to prevent NPS pollutants from entering the Bay through its permit and enforcement actions and by partnering with applicants, other public agencies, such as the San Francisco Bay Regional Water Quality Control Board (RWQCB 2), and non-governmental organizations. In this way, BCDC carries out its Bay Plan water quality policies. To illustrate, recent amendments to these Bay Plan policies emphasize 1) siting, design construction and maintenance for new projects in order to prevent or minimize the discharge of pollutants to the Bay; 2) evaluating and implementing management practices such as vegetated swales and permeable pavement materials, etc. to offset impacts from increased impervious areas and land disturbances; and 3) providing vegetation buffers to control pollutants from entering the Bay. The policies require the application of appropriate, accepted and effective best management practices to projects to prevent nonpoint source pollution.

## **C. OBJECTIVES AND ACTIVITY SUMMARY**

The Urban Category Objectives and agency activities that are developed to address these objectives are provided below.

### **1. Urban Category Objectives**

The State of California recently undertook a concerted, collaborative process for the development of Category Objectives for the NPS Implementation Plan 2003-2008. Over a period of approximately one year, the Statewide Interagency Coordinating Committee met frequently to consider the missions of each agency relative to sources of pollution in urban runoff; to formulate a means for collaboration, and to set overall objectives for the collaborative process. The urban category objectives listed below are the result of this effort. They are designed to formulate the focus of California relative to Urban NPS pollution prevention and guide and measure the progress that will be made over the next five years.

- a. Coordinate with the SWRCB and RWQCB TMDL staff and managers to include NPS MMs in the TMDL Implementation Plans, as appropriate.
- b. Promote coordination of interagency programs that protect water quality from urban runoff pollution.
- c. Through the implementation of MMs, reduce the potential for contamination of surface and groundwater that results from uncontrolled or poorly-controlled urban runoff practices.
- d. Develop tools to assess the effectiveness of urban water pollution programs
- e. Increase the availability of regulatory and guidance documents and/or instructional workshops to demonstrate effective urban pollution control programs and policies.

- f. Reduce the number of uncontrolled NPS pollution sources by increasing the number of municipalities, industries and construction sites that utilize NPS MMs and/or fit under the permitted State Storm Water Program.
- g. Support the development and implementation of watershed-based plans, including TMDLs and Storm Water Pollution Prevention Plans (SWPPPs), in order to identify and address impacts from urban land use.

## **2. Activity Summary for California**

For 2003 to 2008, there will be activities designed specifically for each of the 15 MMs, except for the transportation-related measures: 3.5B, 3.5C, 3.5D, 3.5E, 3.5F (i.e., Bridges, Construction Projects, Chemical Control, Operation and Maintenance, and Road, Highway, and Bridge Runoff Systems). The activities' focus for this period will be on education/outreach, runoff from existing development, and watershed protection. In addition, there will be generic activities that apply to all MMs.

Many of the proposed activities will facilitate implementation of the TMDL program and achieve other significant objectives such as promoting interagency coordination on urban NPS efforts and increasing issue awareness by developing new guidance documents and instructional workshops. The Urban Category activities for this Five-Year Plan are provided in Table IVB.

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

**Urban**

**Management Measure: 3.1A Runoff from Developing Areas - Watershed Protection**

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 11.25-3	Squaw Creek TMDL	<b>Objective:</b> Watershed restoration through the TMDL process <b>Description:</b> Complete and implement the TMDL for Squaw Creek	RWQCB-6	Nevada County	completed TMDL	7/1/03 to 1/1/03
Pre-Implementation 11.26-2	Ward Creek TMDL	<b>Objective:</b> Watershed restoration through the TMDL program <b>Description:</b> Complete and implement the TMDL for Ward Creek	RWQCB-6	Placer County	completed TMDL	1/1/02 to 5/1/07
Pre-Implementation 2.609-1	Lake Natoma mercury study	<b>Objective:</b> Determine if urban/suburban runoff is creating conditions suitable for mercury methylation. <b>Description:</b> Methylation environment comparison between an urbanized watershed and a nearby unurbanized watershed. Prior study of Lake Natoma revealed higher mercury bioaccumulation rates in fish from the urbanized creek corridor compared to the undeveloped creek corridor. Followup study would to test the hypothesis that environmental differences between the two watersheds may be the cause. If hypothesis is correct, could result in MPs for suppressing mercury methylation based on managing urban runoff.	SWRCB	Sacramento County	Demonstrated effect on methylation by environment	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 2.611	Dredger Tailings Workgroup	<b>Objective:</b> Determine if development or other land uses involving dredger tailings is causing mercury loading into aquatic systems. Determine safe construction methods for such areas. <b>Description:</b> Evaluate the risk posed by developing dredger tailings. Pursue selective studies to determine the risk.	SWRCB	East Side of the Sacramento Valley	Completion of evaluation	7/1/03 to 6/30/08
Pre-Implementation 22.007-1	MURP and NEMO	<b>Objective:</b> To educate municipal officials and planning staff on relationship between land use and water quality. Continue to assist local governments in implementation of MMs to control urban polluted runoff. <b>Description:</b> Develop outreach materials and conduct workshops to implement program objectives. Continue coordination and collaboration with partner agencies. Support the implementation of BMPs contained in the revised BMP handbook developed by CASQA.	CCC	Statewide with initial pilot implementation in Southern CA	Completion of outreach materials and workshops.	7/1/03 to 6/30/08
Pre-Implementation 4.038-1	Urban Pesticide Committee Support	<b>Objective:</b> To support the Urban Pesticide Committee in coordinating activities of SF Bay Area and Central Valley <b>Description:</b> Facilitate meetings of Urban Pesticide Committee	RWQCB-2	SF Bay Area and Central Valley	Exchange of information and technical assistance	7/1/03 to 12/31/08
Pre-Implementation 4.042-1	TMDL for Chlordane, San Francisco Bay	<b>Objective:</b> Develop TMDL for legacy pesticides (chlordane) in San Francisco Bay <b>Description:</b> TMDL development, Basin Plan amendment	RWQCB-2	San Francisco Bay	Preliminary and final reports, BP amendment	7/1/04 to 6/30/07
Pre-Implementation 4.044-1	TMDL for Siltation, San Francisquito Creek	<b>Objective:</b> Develop and implement TMDL. <b>Description:</b> Develop and implement TMDL for siltation in San Francisquito Creek	RWQCB-2	San Mateo and Santa Clara Counties	Completed TMDL, quantifiable pollutant reduction goals	7/1/03 to 4/30/06



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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 4.046-1	TMDL for Dissolved Oxygen, TOC, trash, Lake Merritt	<b>Objective:</b> Develop and Implement TMDL  <b>Description:</b> Develop TMDL for Lake Merritt for dissolved oxygen, total organic carbon, and trash	RWQCB-2	Alameda County	Preliminary report	5/1/05 to 6/30/08
Pre-Implementation 4.047-1	TMDL for Mercury, Lake Herman	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> TMDL development for mercury for Lake Herman	RWQCB-2	Solano County	Completion of TMDL preliminary report	6/30/07 to 6/30/08
Pre-Implementation 4.086-1	TMDL for Mercury, San Francisco Bay	<b>Objective:</b> Develop TMDL for mercury in San Francisco Bay  <b>Description:</b> TMDL for mercury for San Francisco Bay	RWQCB-2	San Francisco Bay	Basin Plan amendment	7/1/03 to 12/31/03
Implement 19.009-3	Pollution Prevention/Education	<b>Objective:</b> To establish and maintain used oil and household hazardous waste (hhw) collection programs in all CA jurisdictions. To increase used oil/hhw recycling rates in CA. To educate the public about oil-related storm water pollution prevention and assist local jurisdictions in implementing measures that mitigate oil in storm water.  <b>Description:</b> Provide local jurisdictions with Used Oil Block and Local Government Opportunity grants and provide non profits with Non Profit grants to: 1) establish and maintain used oil and household hazardous waste collection facilities/programs throughout the state; 2) educate public about proper management and disposal of used oil/hhw and the location of used collection facilities/programs; 3) implement measures that mitigate oil in storm water.	CIWMB	Statewide	Facilities and programs established and operating in all jurisdictions.	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 20.001-1	Permit NPS Criteria Development	<b>Objective:</b> Develop model language that incorporates NPS criteria into permits and variances.  <b>Description:</b> Continuously review permit requirements for incorporation of applicable model NPS Criteria.	DTSC	Statewide	Permits reflect appropriate NPS language and requirements.	1/1/03 to 6/30/08
Implement 20.002-1	Permit NPS Criteria Training	<b>Objective:</b> Provide staff training on model NPS criteria for permits and variances.  <b>Description:</b> Develop and provide training on model language as it is developed and revised.	DTSC	Statewide	Model language is incorporated routinely into permits and variances.	6/1/03 to 6/30/08
Implement 20.003-1	Permit NPS Model Language Incorporation	<b>Objective:</b> Incorporate model language regarding NPS criteria into each permit and variance to which it is applicable.  <b>Description:</b> Update permits.	DTSC	Statewide	NPS language incorporated into permits	6/1/03 to 6/30/08
Implement 4.040-1	Erosion Control Workshops	<b>Objective:</b> Reduce impacts of erosion control from new and redevelopment activities  <b>Description:</b> Conduct 7-10 BMP workshops annually for local agencies and developers.	RWQCB-2	Regionwide RB2	Attendance at workshop and compliance with erosion control BMPs	7/1/03 to 12/31/08
Implement 4.043-1	TMDL for PCBs, San Francisco Bay	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> Final report and prepare Basin Plan amendment	RWQCB-2	San Francisco Bay	Completed report and amendment	7/1/03 to 3/30/04

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 4.049-1	Manage contract for mercury reduction	<b>Objective:</b> Oversee grant for mercury reduction projects to reduce erosion of contaminated sediments.  <b>Description:</b> Mercury reduction demonstration projects, preparation of guidance document	RWQCB-2	Santa Clara County	Completion of projects and guidance document	7/1/03 to 12/31/05
Implement 4.077-1	Manage contract Urban Stormwater Retrofit Projects	<b>Objective:</b> Oversight of grant to implement stormwater BMP retrofit sites  <b>Description:</b> Implement 2 stormwater retrofit sites with measures such as cisterns, driveway drywells, vegetated swales, permeable pavement, etc. as demonstration projects.	RWQCB-2	Santa Clara County	Implementation of projects	7/1/03 to 12/31/06
Implement 6.049-2	TMDL Implentation for Malibu Creek-Nutrients	<b>Objective:</b> MP implementation  <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Los Angeles County	Delisting on 303 (d) list	7/1/03 to 6/30/08
Report 6.0670	Urbanization and Stream Erosion Prevention Model	<b>Objective:</b> Develop numeric standards and guidelines for protecting stream channels and habitat from runoff rate and volume modifications.  <b>Description:</b> Field measurements and computer modeling of hydrologic system (upper Arroyo Simi) and erosion in stream channels. Analysis and verification of model output, link flow rates to measured erosion, predict erosion for future development scenarios, evaluate BMPs for mitigation.	RWQCB-4	Ventura County	Useable criteria/guidelines	7/1/03 to 7/1/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.1B Runoff from Developing Areas - Site Development</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 22.007-2	MURP and NEMO	<p><b>Objective:</b> To educate municipal officials and planning staff on relationship between land use and water quality. Continue to assist local governments in implementation of MMs to control urban polluted runoff.</p> <p><b>Description:</b> Develop outreach materials and conduct workshops to implement program objectives. Continue coordination and collaboration with partner agencies. Support the implementation of BMPs contained in the revised BMP handbook developed by CASQA.</p>	CCC	Statewide with initial pilot implementation in Southern CA	Completion of outreach materials and workshops.	7/1/03 to 6/30/08
Implement 20.001-2	Permit NPS Criteria Development	<p><b>Objective:</b> Develop model language that incorporates NPS criteria into permits and variances.</p> <p><b>Description:</b> Continuously review permit requirements for incorporation of applicable model NPS Criteria.</p>	DTSC	Statewide	Permits reflect appropriate NPS language and requirements.	1/1/03 to 6/30/08
Implement 20.002-2	Permit NPS Criteria Training	<p><b>Objective:</b> Provide staff training on model NPS criteria for permits and variances.</p> <p><b>Description:</b> Develop and provide training on model language as it is developed and revised.</p>	DTSC	Statewide	Model language is incorporated routinely into permits and variances.	6/1/03 to 6/30/08
Implement 20.003-2	Permit NPS Model Language Incorporation	<p><b>Objective:</b> Incorporate model language regarding NPS criteria into each permit and variance to which it is applicable.</p> <p><b>Description:</b> Update permits.</p>	DTSC	Statewide	NPS language incorporated into permits	6/1/03 to 6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.1C Runoff from Developing Areas - New Development</b>							
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>	
Pre-Implementation 11.44-1	Mammoth Creek TMDL	<b>Objective:</b> Watershed restoration through the TMDL program <b>Description:</b> Complete and implement the TMDL for Mammoth Creek	RWQCB-6	Mono County	completed TMDL	1/1/05 to	1/1/08
Pre-Implementation 22.007-3	MURP and NEMO	<b>Objective:</b> To educate municipal officials and planning staff on relationship between land use and water quality. Continue to assist local governments in implementation of MMs to control urban polluted runoff. <b>Description:</b> Develop outreach materials and conduct workshops to implement program objectives. Continue coordination and collaboration with partner agencies. Support the implementation of BMPs contained in the revised BMP handbook developed by CASQA.	CCC	Statewide with initial pilot implementation in Southern CA	Completion of outreach materials and workshops.	7/1/03 to	6/30/08
Implement 20.001-3	Permit NPS Criteria Development	<b>Objective:</b> Develop model language that incorporates NPS criteria into permits and variances. <b>Description:</b> Continuously review permit requirements for incorporation of applicable model NPS Criteria.	DTSC	Statewide	Permits reflect appropriate NPS language and requirements.	1/1/03 to	6/30/08
Implement 20.002-3	Permit NPS Criteria Training	<b>Objective:</b> Provide staff training on model NPS criteria for permits and variances. <b>Description:</b> Develop and provide training on model language as it is developed and revised.	DTSC	Statewide	Model language is incorporated routinely into permits and variances.	6/1/03 to	6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 20.003-3	Permit NPS Model Language Incorporation	<b>Objective:</b> Incorporate model language regarding NPS criteria into each permit and variance to which it is applicable.  <b>Description:</b> Update permits.	DTSC	Statewide	NPS language incorporated into permits	6/1/03 to 6/30/08
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**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.2A Runoff from Construction Sites - Construction Site Erosion and Sediment Control</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 11.21-1	High Desert Stormwater Phase II Awareness Impact Project	<p><b>Objective:</b> Educational Outreach Program that implements management measure that prevent or reduce pollution.</p> <p><b>Description:</b> Implementation of a 30 month program to educate about impacts of urban runoff in order to reduce urban runoff. A 30 month program in six cities to demonstrate the potential impacts to water quality from urban runoff. Use of tabletop watershed model, CA Project WET and regional automotive fluids disposal program to demonstrate impacts of urban runoff nonpoint source pollution. Administration of surveys. Distribution of educational materials.</p>	RWQCB-6	San Bernardino, Los Angeles, Kern Counties	evaluation of comprehension and changes in behavior	12/1/02 to 12/1/06
Pre-Implementation 11.25-1	Squaw Creek TMDL	<p><b>Objective:</b> Watershed restoration through the TMDL process</p> <p><b>Description:</b> Complete and implement the TMDL for Squaw Creek</p>	RWQCB-6	Nevada County	completed TMDL	7/1/03 to 1/1/03
Pre-Implementation 11.26-1	Ward Creek TMDL	<p><b>Objective:</b> Watershed restoration through the TMDL program</p> <p><b>Description:</b> Complete and implement the TMDL for Ward Creek</p>	RWQCB-6	Placer County	completed TMDL	1/1/02 to 5/1/07
Pre-Implementation 11.40	Horseshoe Lake TMDL	<p><b>Objective:</b> watershed restoration through the TMDL program</p> <p><b>Description:</b> Complete and implement the TMDL</p>	RWQCB-6	San Bernardino County	completed TMDL for Horseshoe Lake	1/1/04 to 1/1/07

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 11.44-3	Mammoth Creek TMDL	<b>Objective:</b> Watershed restoration through the TMDL program <b>Description:</b> Complete and implement the TMDL	RWQCB-6	Mono County	completed TMDL	1/1/05 to 1/1/08
Pre-Implementation 2.609-2	Lake Natoma mercury study	<b>Objective:</b> Determine if urban/surbaban runoff is creating conditions suitable for mercury methylation. <b>Description:</b> Methylation environment comparision between an urbanized watershed and a nearby unurbanized watershed. Prior study of Lake Natoma revealed higher mercury bioaccumulation rates in fish from the urbanized creek corridor compared to the undeveloped creek corridor. Followup study would to test the hypothesis that environmental differences between the two watersheds may be the cause. If hypothesis is correct, could result in MPs for supressing mercury methylation based on managing urban runoff.	SWRCB	Sacramento County	Demonstrated effect on methylation by environment	7/1/03 to 6/30/08
Pre-Implementation 4.038-2	Urban Pesticide Committee Support	<b>Objective:</b> To support the Urban Pesticide Committee in coordinating activities of SF Bay Area and Central Valley <b>Description:</b> Facilitate meetings of Urban Pesticide Committee	RWQCB-2	SF Bay Area and Central Valley	Exchange of information and technical assistance	7/1/03 to 12/31/08
Pre-Implementation 4.044-2	TMDL for Siltation, San Francisquito Creek	<b>Objective:</b> Develop and implement TMDL. <b>Description:</b> Develop and implement TMDL for siltation in San Francisquito Creek	RWQCB-2	San Mateo and Santa Clara Counties	Completed TMDL, quantifiable pollutant reduction goals	7/1/03 to 4/30/06



**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre- Implementation 4.047-2	TMDL for Mercury, Lake Herman	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> TMDL development for mercury for Lake Herman	RWQCB-2	Solano County	Completion of TMDL preliminary report	6/30/07 to 6/30/08
Implement 4.040-2	Erosion Control Workshops	<b>Objective:</b> Reduce impacts of erosion control from new and redevelopment activities  <b>Description:</b> Conduct 7-10 BMP workshops annually for local agencies and developers.	RWQCB-2	Regionwide RB2	Attendance at workshop and compliance with erosion control BMPs	7/1/03 to 12/31/08
Implement 4.043-2	TMDL for PCBs, San Francisco Bay	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> Final report and prepare Basin Plan amendment	RWQCB-2	San Francisco Bay	Completed report and amendment	7/1/03 to 3/30/04

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.3A Runoff from Existing Development - Existing Development</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 11.21-2	High Desert Stormwater Phase II Awareness Impact Project	<p><b>Objective:</b> Educational Outreach Program that implements management measure that prevent or reduce pollution.</p> <p><b>Description:</b> Implementation of a 30 month program to educate about impacts of urban runoff in order to reduce urban runoff. A 30 month program in six cities to demonstrate the potential impacts to water quality from urban runoff. Use of tabletop watershed model, CA Project WET and regional automotive fluids disposal program to demonstrate impacts of urban runoff nonpoint source pollution. Administration of surveys. Distribution of educational materials.</p>	RWQCB-6	San Bernardino, Los Angeles, Kern Counties	evaluation of comprehension and changes in behavior	12/1/02 to 12/1/06
Pre-Implementation 11.44-2	Mammoth Creek TMDL	<p><b>Objective:</b> Watershed restoration through the TMDL program</p> <p><b>Description:</b> Complete and implement the TMDL for Mammoth Creek</p>	RWQCB-6	Mono County	completed TMDL	1/1/05 to 1/1/08
Pre-Implementation 2.203	Assess Occurrences & Sources of Contamination in Castaic Lk	<p><b>Objective:</b> To manage CalFED contract for assessing Occurrences and Sources of E-Coli and EC 0157 Contamination in Castaic Lake.</p> <p><b>Description:</b> Manage the CalFED contract awarded to Metropolitan Water District for a comprehensive microbial monitoring and molecular fingerprinting study, identifying sources of nonpoint source pollution, and implementing best management practices to reduce coliform contamination at its source, and to protect public health in the Lake Castaic watershed.</p>	SWRCB	Los Angeles	Completion of contract tasks	7/1/03 to 6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 28.100	Stormwater runoff Phase II unit assessment for applicability	<b>Objective:</b> Determine which park units will be eligible for exemption from this regulation and which are to be managed under this regulation  <b>Description:</b> Determine park units subject to permit and those exempt by definition	DPR	Statewide	Classify all park units as to status with regard to permit required or not	7/30/03 to 7/30/05
Pre-Implementation 4.029-1	TMDL for diazinon in urban creeks	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> Develop and implement TMDL for diazinon for San Francisco Bay Area urban creeks (35 waterbodies listed)	RWQCB-2	SF Bay Urban Creeks	Completed TMDL, quantifiable pollutant reduction goals	7/1/03 to 3/31/04
Pre-Implementation 4.030	TMDL for diazinon, San Francisco Bay	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> Develop and implement TMDL for diazinon for San Francisco Bay	RWQCB-2	San Francisco Bay	Completed TMDL, quantifiable pollutant reduction goals	11/5/00 to 6/30/07
Pre-Implementation 4.038-3	Urban Pesticide Committee Support	<b>Objective:</b> To support the Urban Pesticide Committee in coordinating activities of SF Bay Area and Central Valley  <b>Description:</b> Facilitate meetings of Urban Pesticide Committee	RWQCB-2	SF Bay Area and Central Valley	Exchange of information and technical assistance	7/1/03 to 12/31/08
Pre-Implementation 4.041-1	TMDL for Copper and Nickel, SF Bay	<b>Objective:</b> Develop TMDL for copper and nickel in San Francisco Bay north of Dumbarton Bridge  <b>Description:</b> TMDL development	RWQCB-2	San Francisco Bay	Preliminary and final reports, BP amendment	7/1/03 to 12/31/04
Pre-Implementation 4.042-2	TMDL for Chlordane, San Francisco Bay	<b>Objective:</b> Develop TMDL for legacy pesticides (chlordane) in San Francisco Bay  <b>Description:</b> TMDL development, Basin Plan amendment	RWQCB-2	San Francisco Bay	Preliminary and final reports, BP amendment	7/1/04 to 6/30/07

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 4.044-3	TMDL for Siltation, San Francisquito Creek	<b>Objective:</b> Develop and implement TMDL.  <b>Description:</b> Develop and implement TMDL for siltation in San Francisquito Creek	RWQCB-2	San Mateo and Santa Clara Counties	Completed TMDL, quantifiable pollutant reduction goals	7/1/03 to 4/30/06
Pre-Implementation 4.046-2	TMDL for Dissolved Oxygen, TOC, trash, Lake Merritt	<b>Objective:</b> Develop and Implement TMDL  <b>Description:</b> Develop TMDL for Lake Merritt for dissolved oxygen, total organic carbon, and trash	RWQCB-2	Alameda County	Preliminary report	5/1/05 to 6/30/08
Pre-Implementation 4.047-3	TMDL for Mercury, Lake Herman	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> TMDL development for mercury for Lake Herman	RWQCB-2	Solano County	Completion of TMDL preliminary report	6/30/07 to 6/30/08
Pre-Implementation 4.079-2	Manage contract for copper in brake pads project	<b>Objective:</b> Successful contract management for project to determine the effect of copper brake pads on water quality in San Francisco Bay  <b>Description:</b> This project, the Brake Pad Partnership, will be a modeling and assessment effort to determine the magnitude of the effect of using copper in brake pads on the water quality of San Francisco Bay and other waterbodies.	RWQCB-2	San Francisco Bay	Successful completion of grant objectives	7/1/03 to 12/31/06
Pre-Implementation 4.086-2	TMDL for Mercury, San Francisco Bay	<b>Objective:</b> Develop TMDL for mercury in San Francisco Bay  <b>Description:</b> TMDL for mercury for San Francisco Bay	RWQCB-2	San Francisco Bay	Basin Plan amendment	7/1/03 to 12/31/03
Pre-Implementation 4.094	TMDL for Selenium, San Francisco Bay	<b>Objective:</b> Develop TMDL for selenium in San Francisco Bay  <b>Description:</b> Develop preliminary TMDL	RWQCB-2	San Francisco Bay	Preliminary report	7/1/05 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 4.095-1	TMDL for Metals, Suisun Marsh	<b>Objective:</b> Develop TMDL for metals in Suisun Marsh  <b>Description:</b> Develop preliminary and final TMDL, Basin Plan amendment	RWQCB-2	Solano County	Preliminary report, final report, Basin Plan amendment	7/1/04 to 6/30/08
Pre-Implementation 4.096-1	TMDL for Total Dissolved Solids, Suisun Marsh	<b>Objective:</b> Develop TMDL for dissolved oxygen in Suisun Marsh  <b>Description:</b> Develop preliminary and final TMDL, prepare Basin Plan amendment	RWQCB-2	Solano County	Preliminary report, final report, Basin Plan amendment	7/1/04 to 6/30/08
Pre-Implementation 4.097-1	TMDL for Total Organic Carbon, Suisun Marsh	<b>Objective:</b> Develop TMDL for total organic carbon in Suisun Marsh  <b>Description:</b> Develop preliminary and final TMDL, prepare Basin Plan amendment	RWQCB-2	Solano County	Preliminary report, final report, Basin Plan amendment	7/1/04 to 6/30/08
Implement 11.10	Lake Tahoe Water Quality Project at Tahoe Meadows	<b>Objective:</b> Reduce sediment and nutrient loading in stormwater runoff from Tahoe Meadows and improve water quality prior to discharge to Lake Tahoe  <b>Description:</b> Design project to restore drainage channel and meadow; BMP retrofit dirt roads	RWQCB-6	El Dorado County	implementation of BMPs	12/1/02 to 6/1/04
Implement 11.7	BMP Program For Private Property in Lake Tahoe Basin	<b>Objective:</b> Reduce nonpoint source pollution from private properties in the Lake Tahoe Basin  <b>Description:</b> Facilitate BMP installation through public education, outreach, needs assessment, BMP design, free labor and streamlined permitting	RWQCB-6	El Dorado and Placer Counties	increased number of properties with installed BMPs	2/1/00 to 4/15/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 11.8	Backyard Conservation/BMP Implementation Project	<p><b>Objective:</b> Reduce nonpoint source pollution from private properties in the Lake Tahoe Basin</p> <p><b>Description:</b> Facilitate BMP installation by conducting site evaluations, offering free labor and reduced cost materials, provide public education</p>	RWQCB-6	El Dorado and Placer Counties	increased number of properties retrofitted with BMPs	2/1/02 to 1/31/05
Implement 19.003-1	Resource-Efficient Landscaping	<p><b>Objective:</b> Educate homeowners, professional landscapers, and state agencies on the economic and environmental benefits of utilizing resource-efficient landscaping practices.</p> <p><b>Description:</b> Disseminate information on resource-efficient landscaping practices at landscape industry shows, workshops, and conferences. Provide local jurisdictions and state agencies with education materials.</p>	CIWMB	Statewide	Reductions in green waste generation, water and pesticide usage, and nonpoint source pollution.	7/1/03 to 6/30/08
Implement 19.006-1	North Natomas Landscape Management Outreach Program	<p><b>Objective:</b> Protect water quality in the stormwater detention basins in North Natomas through an educational outreach campaign designed to encourage residents and professional landscapers to adopt resource-efficient landscaping practices.</p> <p><b>Description:</b> Partner with the City of Sacramento to disseminate information to residents and professional landscapers on the use of resource-efficient landscaping practices at community events, homeowner/community association meetings, workshops, local newsletters/ newspapers, etc. in North Natomas. This is intended to: 1. Increase awareness of resource-efficient landscape practices and impact on water quality; 2. Preserve water quality in stormwater detention basins; 3. Reduce pesticide/chemical usage; 4. Reduce green waste generation; 5. Reduce water usage</p>	CIWMB	City of Sacramento, North Natomas	1) Increased awareness; 2) Preservation of water quality in basins; 3) Reduced pesticide use; 4) Reduced green waste; 5) Reduced water use	8/1/01 to 10/1/04

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 2.200	Integrated Pest Management 319(h) Contract	<b>Objective:</b> To contract manage the 319(h) project entitled UC Master Gardener IPM and WQ Education and Outreach Program/UC  <b>Description:</b> Manage the UC Master Gardener IPM and WQ Education and Outreach Program contract. The contract will provide authoritative IPM expertise for the entire State and conduct on-the-ground outreach. Pass along the IPM message, through UC IPM Project training and coordination, to reduce pesticide discharges to surface waters. UCCE county offices without existing Master Gardener Programs will distribute IPM outreach materials.	SWRCB	Statewide	completed contract with deliverables	7/1/03 to 6/30/08
Implement 28.115	Railroad Operations Pollution Prevention	<b>Objective:</b> Reduce stormwater impacts at parks with railroad activities.  <b>Description:</b> Install secondary containment to prevent spill material from impacting water during stormwater runoff	DPR	Train Oriented Park Units	Containment installed under sources of contamination.	7/1/03 to 6/30/08
Implement 28.116	Shooting Range Pollution	<b>Objective:</b> Reduce or eliminate impacts of shooting range runoff  <b>Description:</b> Construct or reconstruct shooting ranges to keep pollutants on site and not contaminate adjacent areas.	DPR	Statewide	Runoff from shooting ranges does not have increased levels of shooting-oriented contaminants kept from runoff	7/1/03 to 6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 28.117	Park Operations and Storage	<b>Objective:</b> Eliminate potential pollution, permits fees and need for regulatory oversight  <b>Description:</b> Store materials required to operate park units under cover to eliminate potential pollution of stormwater. Work with source hazardous materials under cover to eliminate potential pollution of stormwater.	DPR	Statewide	Eliminate need for NPDES permit under Stormwater regulations.	7/1/03 to 6/30/08
Implement 28.118	Parking Lot Runoff	<b>Objective:</b> Eliminate impacts to water from parking lots.  <b>Description:</b> Treatment of paved surface runoff to remove pollutants	DPR	Statewide	Eliminate pollution of waters of the state from parking lot operations	7/1/03 to 6/30/08
Implement 4.040-3	Erosion Control Workshops	<b>Objective:</b> Reduce impacts of erosion control from new and redevelopment activities  <b>Description:</b> Conduct 7-10 BMP workshops annually for local agencies and developers.	RWQCB-2	Regionwide RB2	Attendance at workshop and compliance with erosion control BMPs	7/1/03 to 12/31/08
Implement 4.043-3	TMDL for PCBs, San Francisco Bay	<b>Objective:</b> Develop and implement TMDL  <b>Description:</b> Final report and prepare Basin Plan amendment	RWQCB-2	San Francisco Bay	Completed report and amendment	7/1/03 to 3/30/04
Implement 4.049-2	Manage contract for mercury reduction	<b>Objective:</b> Oversee grant for mercury reduction projects to reduce erosion of contaminated sediments.  <b>Description:</b> Mercury reduction demonstration projects, preparation of guidance document	RWQCB-2	Santa Clara County	Completion of projects and guidance document	7/1/03 to 12/31/05



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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 4.077-2	Manage contract Urban Stormwater Retrofit Projects	<b>Objective:</b> Oversight of grant to implement stormwater BMP retrofit sites  <b>Description:</b> Implement 2 stormwater retrofit sites with measures such as cisterns, driveway drywells, vegetated swales, permeable pavement, etc. as demonstration projects.	RWQCB-2	Santa Clara County	Implementation of projects	7/1/03 to 12/31/06
Implement 4.082	Manage contract on PCB abatement	<b>Objective:</b> Oversee contract to investigate and remediate PCB pollution in known hotspot area in Oakland  <b>Description:</b> This project will investigate sources of PCBs in storm drains and facilities in the Ettie Street watershed in Oakland, a known PCB hotspot. The project would abate the PCB pollution and set up a methodology for addressing other pollutant hotspots.	RWQCB-2	Alameda County, City of Oakland	Identification and remediation of PCB sources into San Francisco Bay	7/1/03 to 12/31/06
Implement 6.026	Los Angeles River Street-End Biofiltration	<b>Objective:</b> To reduce urban runoff pollution from contaminating the LA River and ocean  <b>Description:</b> Install a biofiltration and trash capture device at the end of a dead-end street adjacent to the LA River northwest of downtown. The asphalt and concrete at the street end will be removed and replaced with the biofiltration (utilizing native vegetation) and trash capture device. Project will implement a specific objective of an existing trash TMDL.	RWQCB-4	Los Angeles County	MP Implementation	7/1/03 to 6/30/08
Implement 6.046	TMDL Implementation for Ballona Creek-Pathogens	<b>Objective:</b> MP Implementation and storm water diversion projects  <b>Description:</b> MP implementation and storm water diversion	RWQCB-4	Ballona Creek	delisting on 303(d) list	2/1/03 to 9/1/14

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 6.047	TMDL Implementation for Los Angeles River-Metals	<b>Objective:</b> BMP implementation and storm water diversions <b>Description:</b> MP implementation and storm water diversion	RWQCB-4	Los Angeles River	Delisting of water body	4/15/03 to	10/1/14
Implement 6.048	TMDL Implementation for Los Angeles River- Pathogens	<b>Objective:</b> BMP Implementation and storm water diversion <b>Description:</b> MP Implementation and storm water diversion	RWQCB-4	Los Angeles River	delisting of water body from 303(d) list	4/15/03 to	10/1/14
Implement 6.049-1	TMDL Implentation for Malibu Creek-Nutrients	<b>Objective:</b> MP implementation <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Los Angeles County	Delisting on 303 (d) list	7/1/03 to	6/30/08
Implement 6.050	TMDL Implentation for San Gabriel River-Nutrients	<b>Objective:</b> MP implementation <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Los Angeles County	Delisting on 303 (d) list	7/1/03 to	6/30/08
Implement 6.052-1	TMDL Implentation for Santa Clara River-Chloride	<b>Objective:</b> MP implementation on Santa Clara River <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Ventura County	Delisting on 303 (d) list	7/1/03 to	6/30/08
Implement 6.054	TMDL Implentation for Los Angeles River-Nitrogen	<b>Objective:</b> MP implementation <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Los Angeles County	Delisting on 303 (d) list	7/1/03 to	6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 6.056	TMDL Implemtation for Dominguez Channel-Coliform	<b>Objective:</b> MP implementation in Dominguez Channel  <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Los Angeles County	Delisting on 303 (d) list	7/1/03 to 6/30/08
Report 34.005	Standards for Beaches and Recreational Bathing Areas	<b>Objective:</b> Establish standards for salt water beaches and fresh water recreational bathing areas.  <b>Description:</b> Establish standards for salt water beaches and fresh water recreational bathing areas. Regulations for salt water beaches have been adopted. Standards for recreational bathing areas are guidance only. DHS oversee contracts with county public health departments for monitoring costs.	DHS	Statewide	Establish standards	7/1/03 to 6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.4A On-site Disposal Systems - New OSDSs</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 2.205-1	Statewide ODSD Standards Development	<b>Objective:</b> To develop statewide regulations for onsite wastewater treatment systems. <b>Description:</b> Work with stakeholders and other interested parties to develop regulations relative to proper management of OSD systems.	SWRCB	Statewide	Adoption of regulations	7/1/03 to 6/30/08
Pre-Implementation 4.052-1	Onsite Wastewater Treatment System Statewide Standards Dev.	<b>Objective:</b> Participate in statewide task force <b>Description:</b> Develop statewide standards for on-site systems.	RWQCB-2	Statewide	completion of standards development	7/1/03 to 12/31/04
Pre-Implementation 4.053-1	Onsite wastewater treatment systems, revise and update MOUs	<b>Objective:</b> Revise and update waivers and develop MOU's for each local agency program <b>Description:</b> Revise and update waivers and develop MOU's for each local agency program	RWQCB-2	Regionwide	Updated MOUs	7/1/03 to 12/31/08
Pre-Implementation 5.304	Assist on-site disposal policy development	<b>Objective:</b> Development of on-site disposal policy which is protective of water quality <b>Description:</b> Participate in statewide TAC and comment on proposed policy regarding on-site disposal	RWQCB-3	Regionwide RB3	Technically sound water quality protective criteria for on-site disposal systems	7/1/03 to 6/30/08
Pre-Implementation 5.305	Evaluate on-site disposal for compliance with policy	<b>Objective:</b> Assure consistency with Basin Plan criteria for on-site disposal <b>Description:</b> Review development plans for consistency with Basin Plan criteria, through WDR program	RWQCB-3	Regionwide RB3	Consistency with Basin Plan criteria	7/1/03 to 6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 19.009-1	Pollution Prevention/Education	<p><b>Objective:</b> To establish and maintain used oil and household hazardous waste (hhw) collection programs in all CA jurisdictions. To increase used oil/hhw recycling rates in CA. To educate the public about oil-related storm water pollution prevention and assist local jurisdictions in implementing measures that mitigate oil in storm water.</p> <p><b>Description:</b> Provide local jurisdictions with Used Oil Block and Local Government Opportunity grants and provide non profits with Non Profit grants to: 1) establish and maintain used oil and household hazardous waste collection facilities/programs throughout the state; 2) educate public about proper management and disposal of used oil/hhw and the location of used collection facilities/programs; 3) implement measures that mitigate oil in storm water.</p>	CIWMB	Statewide	Facilities and programs established and operating in all jurisdictions.	7/1/03 to 6/30/08
Implement 4.051-2	Manage contract for onsite wastewater treatment systems	<p><b>Objective:</b> Oversee Prop 13 grant for septic system remediation and repairs, develop plan for remediation and completion of upgrades.</p> <p><b>Description:</b> Upgrades of older septic systems, including cluster systems. Performance and ambient water quality monitoring</p>	RWQCB-2	Marin County	Upgrade of systems	7/1/03 to 6/30/06
Report 4.054-1	On site wastewater treatment systems local prgm evaluation	<p><b>Objective:</b> Produce two evaluation reports per year, with findings and recommendations re: adequacy of local oversight programs</p> <p><b>Description:</b> Production of reports with evaluations and recommendations</p>	RWQCB-2	Marin, Sonoma, Solano, Napa, Santa Clara, Contra Costa, Alameda, San Mateo Counties	Completion of evaluations	7/1/03 to 12/31/07

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.4B On-site Disposal Systems - Operating OSDSs</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 2.205-2	Statewide ODSD Standards Development	<b>Objective:</b> To develop statewide regulations for onsite wastewater treatment systems. <b>Description:</b> Work with stakeholders and other interested parties to develop regulations relative to proper management of OSD systems.	SWRCB	Statewide	Adoption of regulations	7/1/03 to 6/30/08
Pre-Implementation 4.052-2	Onsite Wastewater Treatment System Statewide Standards Dev.	<b>Objective:</b> Participate in statewide task force <b>Description:</b> Develop statewide standards for on-site systems.	RWQCB-2	Statewide	completion of standards development	7/1/03 to 12/31/04
Pre-Implementation 4.053-2	Onsite wastewater treatment systems, revise and update MOUs	<b>Objective:</b> Revise and update waivers and develop MOU's for each local agency program <b>Description:</b> Revise and update waivers and develop MOU's for each local agency program	RWQCB-2	Regionwide	Updated MOUs	7/1/03 to 12/31/08
Implement 4.051-1	Manage contract for onsite wastewater treatment systems	<b>Objective:</b> Oversee Prop 13 grant for septic system remediation and repairs, develop plan for remediation and completion of upgrades. <b>Description:</b> Upgrades of older septic systems, including cluster systems. Performance and ambient water quality monitoring	RWQCB-2	Marin County	Upgrade of systems	7/1/03 to 6/30/06
Implement 6.051	TMDL Implementation for McGrath Beach-Coliform	<b>Objective:</b> MP implementation <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Ventura County	Delisting on 303 (d) list	7/1/03 to 6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Report 4.054-2	On site wastewater treatment systems local prgm evaluation	<b>Objective:</b> Produce two evaluation reports per year, with findings and recommendations re: adequacy of local oversight programs  <b>Description:</b> Evaluation and recommendations	RWQCB-2	Marin, Sonoma, Solano, Napa, Santa Clara, Contra Costa, Alameda, San Mateo Counties	Completion of evaluations	7/1/03 to 12/31/07
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**Management Measure: 3.5A Transportation Development - Planning, Siting, and Developing Roads and Highways**

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 11.25-2	Squaw Creek TMDL	<b>Objective:</b> Watershed restoration through the TMDL process  <b>Description:</b> Complete and implement the TMDL for Squaw Creek	RWQCB-6	Nevada County	completed TMDL	7/1/03 to 1/1/03

**Management Measure: 3.5B Transportation Development - Bridges**

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Implement 28.113	Bridge runoff on transportation facilities	<b>Objective:</b> Reduce and eliminate erosion effects from stormwater runoff at transportation bridge facilities  <b>Description:</b> Designing and constructing adequate drainage facility to prevent run-on and runoff of eroded materials at bridge sites.	DPR	Statewide	Correct drainage to prevent NPS pollution at bridge sites	7/1/03 to 6/30/08

**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.5F Transportation Development - Road, Highway, and Bridge Runoff System</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 4.041-2	TMDL for Copper and Nickel, SF Bay	<b>Objective:</b> Develop TMDL for copper and nickel in San Francisco Bay north of Dumbarton Bridge  <b>Description:</b> TMDL development	RWQCB-2	San Francisco Bay	Preliminary and final reports, BP amendment	7/1/03 to 12/31/04
Pre-Implementation 4.095-2	TMDL for Metals, Suisun Marsh	<b>Objective:</b> Develop TMDL for metals in Suisun Marsh  <b>Description:</b> Develop preliminary and final TMDL, Basin Plan amendment	RWQCB-2	Solano County	Preliminary report, final report, Basin Plan amendment	7/1/04 to 6/30/08
Pre-Implementation 4.096-2	TMDL for Total Dissolved Solids, Suisun Marsh	<b>Objective:</b> Develop TMDL for dissolved oxygen in Suisun Marsh  <b>Description:</b> Develop preliminary and final TMDL, prepare Basin Plan amendment	RWQCB-2	Solano County	Preliminary report, final report, Basin Plan amendment	7/1/04 to 6/30/08
Pre-Implementation 4.097-2	TMDL for Total Organic Carbon, Suisun Marsh	<b>Objective:</b> Develop TMDL for total organic carbon in Suisun Marsh  <b>Description:</b> Develop preliminary and final TMDL, prepare Basin Plan amendment	RWQCB-2	Solano County	Preliminary report, final report, Basin Plan amendment	7/1/04 to 6/30/08
Implement 3.004	County and Rural Roads	<b>Objective:</b> To control erosion from County and rural roads.  <b>Description:</b> Complaint inspections and follow-up enforcement, 5 Counties Coho Plan implementation, TMDL program, 319(h) grant program; FishNet 4C.	RWQCB-1	Regionwide RB1	Compliance with Basin Plan prohibitions, and less public complaints	7/1/03 to 6/30/08



**Table IVB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: 3.6A Education/Outreach - Pollution Prevention/Education: General Sources</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 20.004	HHW and CESQG Impact Assessment	<p><b>Objective:</b> Identify impacts of Household Hazardous Waste (HHW) and Conditionally Exempt Small Quantity Generator (CESQG) waste collection programs.</p> <p><b>Description:</b> Track activities at HHW collection facilities.</p>	DTSC	Statewide	Identification of impacts.	1/1/03 to 6/30/08
Pre-Implementation 20.005	HHW and CESQG Training Assessment	<p><b>Objective:</b> Determine need for education and training for local Hazardous Household Waste (HHW) and Conditionally Exempt Small Quantity Generator (CESQG) programs.</p> <p><b>Description:</b> Identify training and education needed.</p>	DTSC	Statewide	Needs assessment completed	1/1/03 to 6/30/08
Pre-Implementation 20.006	HHW Collection Facility Inspection Targeting	<p><b>Objective:</b> Annually identify Hazardous Household Waste (HHW) Collection Facility inspection workplan components.</p> <p><b>Description:</b> Develop inspection workplan through regional annual HHW Conferences.</p>	DTSC	Statewide	Development of annual workplan.	1/1/03 to 6/30/08
Pre-Implementation 20.007	HHW Collection Facility Inspection Coordination	<p><b>Objective:</b> Coordinate inspection workplan with permitting and other DTSC and CUPA actions for Hazardous Household Waste (HHW) Collection facilities.</p> <p><b>Description:</b> Workplan for HHW inspections is coordinated with other actions.</p>	DTSC	Statewide	Coordinated workplan	1/1/03 to 6/30/08
Pre-Implementation 4.029-2	TMDL for diazinon in urban creeks	<p><b>Objective:</b> Develop and implement TMDL</p> <p><b>Description:</b> Develop and implement TMDL for diazinon for San Francisco Bay Area urban creeks (35 waterbodies listed)</p>	RWQCB-2	SF Bay Urban Creeks	Completed TMDL, quantifiable pollutant reduction goals	7/1/03 to 3/31/04

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 4.046-3	TMDL for Dissolved Oxygen, TOC, trash, Lake Merritt	<b>Objective:</b> Develop and Implement TMDL  <b>Description:</b> Develop TMDL for Lake Merritt for dissolved oxygen, total organic carbon, and trash	RWQCB-2	Alameda County	Preliminary report	5/1/05 to 6/30/08
Pre-Implementation 4.058	Urban Runoff Presentations	<b>Objective:</b> Make technical presentations to public and other agencies on urban runoff issues. <b>Description:</b> Outreach to agencies and public on BMP implementation	RWQCB-2	Regionwide RB2	Completion of presentations	7/1/03 to 12/31/08
Pre-Implementation 4.079-1	Manage contract for copper in brake pads project	<b>Objective:</b> Successful contract management for project to determine the effect of copper brake pads on water quality in San Francisco Bay <b>Description:</b> This project, the Brake Pad Partnership, will be a modeling and assessment effort to determine the magnitude of the effect of using copper in brake pads on the water quality of San Francisco Bay and other waterbodies.	RWQCB-2	San Francisco Bay	Successful completion of grant objectives	7/1/03 to 12/31/06
Pre-Implementation 6.073	Res. No. 02-007 List Oxnard City Corps - Storm Drain Keeper	<b>Objective:</b> Development of Storm Drain Keeper Program  <b>Description:</b> Storm Drain Keeper Program	RWQCB-4	Oxnard	Completed program	3/22/02 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 11.21-3	High Desert Stormwater Phase II Awareness Impact Project	<b>Objective:</b> Educational Outreach Program that implements management measure that prevent or reduce pollution.  <b>Description:</b> Implementation of a 30 month program to educate about impacts of urban runoff in order to reduce urban runoff. A 30 month program in six cities to demonstrate the potential impacts to water quality from urban runoff. Use of tabletop watershed model, CA Project WET and regional automotive fluids disposal program to demonstrate impacts of urban runoff nonpoint source pollution. Administration of surveys. Distribution of educational materials.	RWQCB-6	San Bernardino, Los Angeles, Kern Counties	evaluation of comprehension and changes in behavior	12/1/02 to 12/1/06
Implement 19.003-2	Resource-Efficient Landscaping	<b>Objective:</b> Educate homeowners, professional landscapers, and state agencies on the economic and environmental benefits of utilizing resource-efficient landscaping practices.  <b>Description:</b> Disseminate information on resource-efficient landscaping practices at landscape industry shows, workshops, and conferences. Provide local jurisdictions and state agencies with education materials.	CIWMB	Statewide	Reductions in green waste generation, water and pesticide usage, and nonpoint source pollution.	7/1/03 to 6/30/08
Implement 19.004	Sustainable Environmental Design & Education Program	<b>Objective:</b> Ensure that new buildings and landscape areas are designed to prevent waste and pollution, conserve water and energy, and utilize recycled-content building and landscape products.  <b>Description:</b> Survey college and university building and landscape architecture programs to determine whether they offer sustainable environmental design curriculum. Based on this survey, develop a model program that can be adopted by universities and industry continuing education programs to teach students and practitioners about core principals pertaining to sustainable environmental design.	CIWMB	Statewide	New buildings and landscapes that incorporate sustainable design elements.	2/1/02 to 12/1/03

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 19.006-2	North Natomas Landscape Management Outreach Program	<p><b>Objective:</b> Protect water quality in the stormwater detention basins in North Natomas through an educational outreach campaign designed to encourage residents and professional landscapers to adopt resource-efficient landscaping practices.</p> <p><b>Description:</b> Partner with the City of Sacramento to disseminate information to residents and professional landscapers on the use of resource-efficient landscaping practices at community events, homeowner/community association meetings, workshops, local newsletters/ newspapers, etc. in North Natomas. This is intended to: 1. Increase awareness of resource-efficient landscape practices and impact on water quality; 2. Preserve water quality in stormwater detention basins; 3. Reduce pesticide/chemical usage; 4. Reduce green waste generation; 5. Reduce water usage</p>	CIWMB	City of Sacramento, North Natomas	1) Increased awareness; 2) Preservation of water quality in basins; 3) Reduced pesticide use; 4) Reduced green waste; 5) Reduced water use	8/1/01 to 10/1/04
Implement 19.009-2	Pollution Prevention/Education	<p><b>Objective:</b> To establish and maintain used oil and household hazardous waste (hhw) collection programs in all CA jurisdictions. To increase used oil/hhw recycling rates in CA. To educate the public about oil-related storm water pollution prevention and assist local jurisdictions in implementing measures that mitigate oil in storm water.</p> <p><b>Description:</b> Provide local jurisdictions with Used Oil Block and Local Government Opportunity grants and provide non profits with Non Profit grants to: 1) establish and maintain used oil and household hazardous waste collection facilities/programs throughout the state; 2) educate public about proper management and disposal of used oil/hhw and the location of used collection facilities/programs; 3) implement measures that mitigate oil in storm water.</p>	CIWMB	Statewide	Facilities and programs established and operating in all jurisdictions.	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 2.201	Website Support for Model Urban Runoff Program	<b>Objective:</b> To promote the use of NPS management measures related to Urban Runoff by providing regular updates on MURP to the SWRCB website.  <b>Description:</b> Maintain communications with the California Coastal Commission regarding MURP updates, and routinely post them on the SWRCB website.	SWRCB	Statewide	MURP on the web	7/1/03 to 6/30/08
Implement 2.202	Stormwater Education	<b>Objective:</b> To provide education and outreach opportunities that will increase utilization of urban runoff management measures and management practices.  <b>Description:</b> Develop guidance documents and provide workshops to the public and the regulatory community that will increase awareness of urban runoff management measures and management practices.	SWRCB	Statewide	Completed guidance materials and workshops	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 2.204	Erase The Waste	<p><b>Objective:</b> To educate the public about the ill effects of storm water pollution and to encourage behavioral change to help reduce urban runoff into Los Angeles area waterways and the coast.</p> <p><b>Description:</b> The Erase The Waste campaign features advertising, community cleanup projects, corporate-community partnerships and water education curriculum for grades K-12. The SWRCB has identified the LA storm water problem as one of the biggest environmental challenges facing the State, and has emphasized education to reduce the pollution threat. The Water Board Education program has created a comprehensive, two-year, \$5 million public education program to measurably reduce storm water pollution in Los Angeles County. The program is focused on runoff issues that affect public health and the economy. The campaign, which targets plastics pollution, in advertising push to educate the public on the ill effects on polluting, and to promote positive pollution prevention behaviors (including disposing of plastics in proper receptacles, recycling, picking up after pets, etc.). All campaign materials can be viewed at <a href="http://www.erasethewaste.com">www.erasethewaste.com</a>. Once these materials are used in the greater LA area, they will be repackaged for use by other municipalities and school districts under storm water regulation.</p>	SWRCB	Los Angeles Area	All created advertising and outreach tools will be shared with other storm water programs statewide.	8/1/03 to 6/30/05
Implement 20.008	Secondary Containment at Hazardous Waste Facilities	<p><b>Objective:</b> Assure hazardous waste management (HWM) facilities' compliance with secondary containment standards.</p> <p><b>Description:</b> Determine that facilities are in compliance with regulations through inspections.</p>	DTSC	Statewide	Results of inspections	1/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 20.009	HHW and CESQG Training	<b>Objective:</b> Conduct bi-monthly educational workshops for local Hazardous Household Waste (HHW) and Conditionally Exempt Small Quantity Generator (CESQG) program managers  <b>Description:</b> Conduct 10 workshops annually (5 in northern CA and 5 in southern CA).	DTSC	Statewide	Workshops conducted.	1/1/03 to 6/30/08
Implement 20.010	HHW and CESQG Annual Conference	<b>Objective:</b> Conduct annual conference and training for local Hazardous Household Waste (HHW) and Conditionally Exempt Small Quantity Generators (CESQG) program managers.  <b>Description:</b> Conduct post-conference evaluation.	DTSC	Statewide	Completed conference and evaluations	1/1/03 to 6/30/08
Implement 20.011	Hazardous Waste Generator Education	<b>Objective:</b> Continue compliance school for hazardous waste generator education.  <b>Description:</b> Ongoing participation.	DTSC	Statewide	Participation in training	1/1/03 to 6/30/08
Implement 20.012	Hazardous Waste Generator Industry Assistance	<b>Objective:</b> Continue industry assistance efforts via individual contacts and the development of topic specific fact sheets.  <b>Description:</b> Ongoing communication and development of fact sheets.	DTSC	Statewide	Distribution of fact sheets.	1/1/03 to 6/30/08
Implement 20.013	Hazardous Waste Regulation Implementation	<b>Objective:</b> Improve statewide consistency on the implementation of hazardous waste regulations via development of guidance for DTSC staff.  <b>Description:</b> Ongoing development of guidance.	DTSC	Statewide	Guidance distributed.	1/1/03 to 6/30/08
Implement 20.014	Hazardous Waste Regulation Improvement	<b>Objective:</b> Continue improving standards via updating/upgrading hazardous waste regulations.  <b>Description:</b> Ongoing regulations review and update.	DTSC	Statewide	Up-to-date standards.	1/1/03 to 6/30/08

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Implement 20.015	Hazardous Waste Facility Inspections	<b>Objective:</b> Conduct compliance inspections at Hazardous Waste Management facilities. <b>Description:</b> Inspections conducted, reports developed, follow-up actions taken.	DTSC	Statewide	Number of inspections conducted.	1/1/03 to 6/30/08
Implement 20.016	HHW/Used Oil Awards	<b>Objective:</b> Present awards for outstanding Cal EPA HHW/Used Oil Programs. <b>Description:</b> Make annual awards at 10-15/yr.	DTSC	Statewide	Number of nominations.	1/1/03 to 6/30/08
Implement 4.049-3	Manage contract for mercury reduction	<b>Objective:</b> Oversee grant for mercury reduction projects to reduce erosion of contaminated sediments. <b>Description:</b> Mercury reduction demonstration projects, preparation of guidance document	RWQCB-2	Santa Clara County	Completion of projects and guidance document	7/1/03 to 12/31/05
Implement 4.055	Manage contract for pesticide reduction	<b>Objective:</b> Oversee grant program to reduce pesticides in urban areas by working with pesticide distributors to provide less toxic alternatives. <b>Description:</b> Work with pesticide distributors to provide less toxic alternatives at point of sale	RWQCB-2	Marin and Sonoma Counties	Reduction in sales of toxic pesticides	7/1/03 to 6/30/06
Implement 4.056	Manage contract on IPM methods	<b>Objective:</b> Oversee contract to educate pest control operators in use of IPM methods <b>Description:</b> Implements training for pest control operators in integrated pest management (IPM) methods, establishes an IPM certification program, 9-month pilot program.	RWQCB-2	Regionwide	Certification program implemented, training completed	7/1/03 to 6/30/05



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Implement 4.080	Management of contract on student outreach and education	<b>Objective:</b> Oversee project for inner city educational program on nonpoint source pollution and habitat protection  <b>Description:</b> The project, Estuary Action Challenge, will include creek cleanups, student and teacher education, creek-focused projects in the inner city.	RWQCB-2	San Francisco Bay	Educational outreach to students and teachers	7/1/03 to 12/31/05
Implement 6.059	ACL 98-076 City of LA, DPW Hyperion WWC System SEP #8	<b>Objective:</b> Conduct a public education outreach program for students within the East Central Interceptor Sewer Corridor  <b>Description:</b> Public Education Outreach. Regional Board staff will overlook the SEP project to ensure milestones and goals are met through regular reports submitted to RB staff by the SEP Proponent/Manager. Reports will discuss the project's standing and what goals, milestones, problems etc. the project has faced during its implementation.	RWQCB-4	Los Angeles	Completed education program.	7/1/03 to 6/30/08
Track/Monitor 20.017	HHW Outreach	<b>Objective:</b> Assess ongoing development of plans, classes, outreach efforts, etc for Hazardous Household Waste (HHW) facilities and events.  <b>Description:</b> Identification of facility education needs.	DTSC	Statewide	Completed Needs Assessment	1/1/03 to 6/30/08
Track/Monitor 20.018	Hazardous Waste Facility Inspection Tracking	<b>Objective:</b> Track completion of inspection activities  <b>Description:</b> Maintain tracking system.	DTSC	Statewide	Well-maintained tracking system	1/1/03 to 6/30/08
Track/Monitor 20.019	HHW and CESQG Workshop Tracking	<b>Objective:</b> Track ongoing outreach efforts of bi-monthly workshops related to Hazardous Household Waste and Conditionally Exempt Small Quantity Generators.  <b>Description:</b> Ongoing evaluation of attendance and issues raised at workshops.	DTSC	Statewide	ongoing workshop evaluations	1/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

<b>Management Measure: All-U All Urban Measures</b>						
<b>Process Element</b>	<b>Activity Name</b>	<b>Activity Objective and Description</b>	<b>Agency</b>	<b>Location</b>	<b>Success Criteria</b>	<b>Schedule</b>
Pre-Implementation 10.080	Steelhead Creek Drinking Water Quality and Watershed Assess	<p><b>Objective:</b> Assess impacts of urbanization on drinking water quality in Steelhead Creek.</p> <p><b>Description:</b> Rapid urbanization and the resulting land use changes can impair natural watershed functions and increase loading of drinking water parameters of concern. The project will address this problem in the Steelhead Creek (the Natomas East Main Drainage Canal [NEMDC]) watershed and its largest tributary, Dry Creek, using an integrated approach of monitoring flow and water quality, assessing land use change, evaluating upper watershed stressors affecting water quality, and identifying solutions for improvement.</p>	RWQCB-5S	Sacramento River watershed	Completed Assessment	7/1/03 to 6/30/08
Pre-Implementation 11.43	Twin Lakes TMDL	<p><b>Objective:</b> watershed restoration through the TMDL program</p> <p><b>Description:</b> Complete and implement the TMDL</p>	RWQCB-6	Mono County	completed TMDL	1/1/05 to 1/1/08
Pre-Implementation 14.006	Palo Verde Outfall Drain Pathogens TMDL	<p><b>Objective:</b> To develop a Pathogens TMDL for the Palo Verde Outfall Drain (PVOD)</p> <p><b>Description:</b> To develop a TMDL that will include pathogens numeric targets for the PVOD, sources and concentrations of pathogens, and an implementation plan</p>	RWQCB-7	Regionwide RB7	Completion of the TMDL	1/1/02 to 12/31/04

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 14.007	Coachella Valley Stormwater Channel Pathogens TMDL	<b>Objective:</b> To develop a Pathogens TMDL for the Coachella Valley Stormwater Channel (CVSC)  <b>Description:</b> To develop a TMDL that will include pathogens numeric targets for the CVSC, sources and concentrations of pathogens, and an implementation plan	RWQCB-7	Regionwide RB7	Completion of the TMDL	1/10/02 to 12/1/04
Pre-Implementation 14.008	New River Dissolved Oxygen TMDL	<b>Objective:</b> To develop a Dissolved Oxygen (DO) TMDL for the New River  <b>Description:</b> To develop a TMDL that will include DO numeric target for the New River, sources and concentrations of pollutants causing reduction of DO in the New River at the International Boundary, and an implementation plan	RWQCB-7	Regionwide RB7	Completion of the TMDL	1/1/03 to 12/31/04
Pre-Implementation 14.009	New River Trash TMDL	<b>Objective:</b> To develop a Trash TMDL for the New River  <b>Description:</b> To develop a TMDL that will identify sources and quantities of trash to the New River. An implementation plan will also be developed	RWQCB-7	Regionwide RB7	Completion of the TMDL	1/1/03 to 12/31/04
Pre-Implementation 14.010	New River VOCs TMDLs	<b>Objective:</b> To develop TMDLs for four types of VOCs for the New River  <b>Description:</b> These TMDLs will identify sources and concentrations of the VOCs m,p-xylene, o-xylene, p-cymene, and 1,2,4-trimethylbenzene to the New River. Implementation plans will also be developed	RWQCB-7	Regionwide RB7	Completion of the TMDL	1/1/05 to 12/1/09

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 22.001	Local government outreach	<b>Objective:</b> Develop and promote MMs and BMPs for local government staff and decision makers to protect water quality  <b>Description:</b> Sponsor training workshops and provide technical assistance to local governments covered by local coastal plans (LCPs). Develop guidance and outreach materials. Post educational materials on CCC website.	CCC	Entire California coast	Well-informed local governments	7/1/03 to 6/30/08
Pre-Implementation 22.009	Contaminated Sediment Task Force (CSTF)	<b>Objective:</b> Incorporate into the CSTF efforts all applicable NPS MMs and BMPs to prevent and control additional contaminated sediment and NPS pollution as a result of remediating the contaminated sediment.  <b>Description:</b> Continue to develop a strategy with NPS elements to address the issue of contaminated sediment.	CCC	Los Angeles Basin	Completion of the strategy.	7/1/03 to 6/30/05
Pre-Implementation 22.012	Beach Water Quality Task Force (BWQTF)	<b>Objective:</b> Develop appropriate MMs and promote agency coordination to reduce beach closures.  <b>Description:</b> Attend the meetings of BWQTF and its subcommittees. Disseminate information about the NPS program and appropriate MMs and BMPs such as wastewater management for Onsite Treatment Systems, reduction of contaminated runoff from dairies, and capture of trash in stormdrains that can reduce the impact of NPS pollution on beach water quality.	CCC	California coast	Participation in task force. Dissemination of NPS information. Reduction of beach closures.	7/1/03 to 6/30/08
Pre Implementation 6.001	Watershed Management Plan Development for Dominguez Channel	<b>Objective:</b> Develop watershed plan and establish a stakeholder group. (01-125-254-0)  <b>Description:</b> Development of watershed plan and BMP study.	RWQCB-4	Dominguez Channel	Will be finalized at contract approval time	1/1/02 to 1/30/04

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Pre Implementation 6.002	Machado Lake Assessment Project	<b>Objective:</b> The project will study and identify pollution sources into the Machado Lake.  <b>Description:</b> The study will identify pollution sources through monitoring and watershed investigations. Machado Lake is a polluted freshwater system with limited water circulation and low dissolved oxygen content. Contaminants found in the lake such as trash, pesticides, minerals and nutrients, organics, and heavy metals are potentially carried into the lake by urban runoff.	RWQCB-4	City of Los Angeles	Identification of pollutants	11/1/01 to 1/31/04
Pre-Implementation 6.008	Watershed Mgmt Plan Develop. for S.G. River Above Whittier	<b>Objective:</b> Develop watershed plan and establish a stakeholder group. (02-033-254-0)  <b>Description:</b> Develop a watershed plan through a stakeholder process to identify sustainable practices for improving water quality and reducing nonpoint source pollution. Project includes restoration of critical habitat, identifying BMPs for demonstration, establishing citizen monitoring and stewardship, public education and outreach.	RWQCB-4	Los Angeles County	Watershed plan	1/2/02 to 1/30/04
Pre-Implementation 6.009	Watershed Management Plan Development for Ballona Creek	<b>Objective:</b> Develop watershed plan and establish a stakeholder group for Ballona Creek.  <b>Description:</b> Develop a watershed plan to identify target areas for source control of pollutants, select and prioritize cost-effective BMPs for improving water quality. The project includes developing a community-based monitoring plan and habitat restoration.	RWQCB-4	Los Angeles County	Watershed plan	2/10/02 to 2/28/04

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Pre-Implementation 6.011	Watershed Management Plan Development for Compton Creek	<p><b>Objective:</b> Development of a watershed plan with a citizen monitoring component. (02-137-254-0)</p> <p><b>Description:</b> Develop a watershed plan through a stakeholder process to address impaired beneficial uses, stormwater retention and removal of pollutants, habitat restoration, access and recreation. A key strategy is the creation of a green corridor in a highly urbanized watershed and restoration of wetland habitat adjacent to the creek channel. The project also seeks to establish a stakeholder steering committee and citizen monitoring group.</p>	RWQCB-4	Los Angeles County	Watershed plan	4/1/02 to 4/30/04
Pre-Implementation 6.012	Watershed Management Plan Development for Rio Hondo River	<p><b>Objective:</b> Development of a watershed plan with a citizen monitoring component.</p> <p><b>Description:</b> Develop a watershed plan through a stakeholder process to address beneficial uses of the Rio Hondo, degradation and needed water quality improvements, habitat restoration, recreational land management and groundwater recharge. The plan will include recommendations for water quality monitoring and data collection.</p>	RWQCB-4	Los Angeles County	Watershed plan	11/15/02 to 1/30/04
Pre-Implementation 6.028	Methodology for Prioritizing Structural BMPs Projects	<p><b>Objective:</b> To develop a comprehensive methodology for prioritizing BMPs implementation that will maximize the return on every dollar expended for structural BMPs.</p> <p><b>Description:</b> Evaluate effectiveness of structural BMPs to aid in implementation of effective TMDLs and management of NPS pollution in general. Develop a comprehensive BMP implementation strategy for the Ballona Creek Watershed which drains into the Santa Monica Bay and has multiple impairments with TMDLs in development.</p>	RWQCB-4	Los Angeles County	Developed methodology	7/1/03 to 6/30/08

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Pre-Implementation 6.031	Env Justice Watershed Awareness: Conservation and Pollution	<p><b>Objective:</b> To help local community members use practices that help restore Compton Creek's beneficial uses.</p> <p><b>Description:</b> Support and promote implementation of the LA River trash TMDL, BMPs, wetlands restoration, community-based pollution prevention, and hands-on education activities in the Compton Creek Subwatershed. Conduct environmental audits for residential and commercial activities. Management plan for subwatershed is in development.</p>	RWQCB-4	Los Angeles County	MP implementation	7/1/03 to 6/30/08
Pre-Implementation 6.037	Community-Based Watershed Pollution Prevention Partnership	<p><b>Objective:</b> The project will promote public awareness, local interest and participation in pollution prevention activities through hands-on-education and outreach activities.</p> <p><b>Description:</b> The project consists of developing and implementing a watershed-wide environmental justice and public awareness program that will assist youth, residents and businesses to understand their role in improving water quality, and include the implementation of nonpoint source pollution control strategies through the establishment of pollution prevention partnerships with local community-based organizations among others.</p>	RWQCB-4	Los Angeles County	Increased public awareness	7/1/03 to 6/30/08
Pre-Implementation 6.042	NPS Runoff from large landscape	<p><b>Objective:</b> Develop policy, education and outreach, monitoring and enforcement program with municipalities and environmental agencies</p> <p><b>Description:</b> Develop policy, education and outreach, monitoring and enforcement program with municipalities and environmental agencies regarding residential and large landscape runoff.</p>	RWQCB-4	Los Angeles County	Decrease landscape runoff loading	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 16.305	Chollas Creek Diazinon TMDL Development	<b>Objective:</b> To develop the Chollas Creek diazinon TMDL.  <b>Description:</b> To complete the Chollas Creek TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 908	adopted TMDL	7/1/03 to 6/30/08
Pre-Implementation 16.307	Chollas Creek Metals TMDL Development	<b>Objective:</b> To develop the Chollas Creek metals TMDL.  <b>Description:</b> To complete the Chollas Creek TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 908	Adopted TMDL	7/1/03 to 6/30/08
Pre-Implementation 16.309	Chollas Creek Sediment TMDL Development	<b>Objective:</b> To develop the Chollas Creek metals TMDL.  <b>Description:</b> To complete the Chollas Creek TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 908	Adopted TMDL	7/1/03 to 6/30/08
Pre-Implementation 16.311	Mission Bay Bacteria TMDL Development	<b>Objective:</b> To develop the Mission Bay Bacteria TMDL.  <b>Description:</b> To complete the Mission Bay TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 906	Adopted TMDL	7/1/03 to 6/30/08
Pre-Implementation 16.313	San Diego Regionwide Bacteria TMDL Development	<b>Objective:</b> To develop TMDL for bacteria-impaired waters of the San Diego region.  <b>Description:</b> To complete the TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	Regionwide - Region 9	Adopted TMDL	7/1/03 to 6/30/08



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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Pre-Implementation 16.315	Paleta Creek Sediment TMDL Development	<b>Objective:</b> To develop the benthic community degradation and sediment toxicity TMDL for Sevent Street Channel (Paleta Creek) <b>Description:</b> To complete the TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 908	Adopted TMDL	7/1/03 to 6/30/08
Pre-Implementation 16.317	San Diego Bay Sediment TMDL Development	<b>Objective:</b> To develop the TMDL for B Street Broad Piers benthic community degradation and sediment toxicity. <b>Description:</b> To complete the TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 908	adopted TMDL	7/1/03 to 6/30/08
Pre-Implementation 16.319	Switzer Creek Sediment TMDL Development	<b>Objective:</b> To develop the TMDL for Switzer Creek benthic community degradation and sediment toxicity. <b>Description:</b> To complete the TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 908	adopted TMDL	7/1/03 to 6/30/08
Pre-Implementation 16.321	Downtown San Diego Bay Sediment TMDL Development	<b>Objective:</b> To develop the TMDL for Downtown Anchorage benthic community degradation and sediment toxicity. <b>Description:</b> To complete the TMDL, and Basin Plan Amendment, acquire approval of both by RWQCB and SWRCB, as well as USEPA.	RWQCB-9	HU 908	adopted TMDL	7/1/03 to 6/30/08
Implement 14.004	New River Pathogens TMDL Implementation	<b>Objective:</b> To implement the New River Pathogens TMDL <b>Description:</b> TMDL implementation activities that include monitoring, site visits, coordination with the USEPA and Mexico, and reporting are ongoing	RWQCB-7	Regionwide RB7	Implementation of the TMDL	1/1/03 to 12/1/14

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 16.306	Chollas Creek Diazinon TMDL Implementation	<b>Objective:</b> To implement the Chollas Creek diazinon TMDL.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 908	Restoration of beneficial uses and water quality objectives in Chollas Creek.	7/1/03 to 6/30/08
Implement 16.308	Chollas Creek Metals TMDL Implementation	<b>Objective:</b> To implement the Chollas Creek metals TMDL.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 908	Restoration of beneficial uses and water quality objectives in Chollas Creek.	7/1/03 to 6/30/08
Implement 16.310	Chollas Creek Sediment TMDL Implementation	<b>Objective:</b> To implement the Chollas Creek benthic community degradation and sediment toxicity TMDL.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 908	Restoration of beneficial uses and water quality objectives in Chollas Creek.	7/1/03 to 6/30/08
Implement 16.312	Mission Bay Bacteria TMDL Implementation	<b>Objective:</b> To implement the Mission Bay Bacteria TMDL.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 906	Restoration of beneficial uses and water quality objectives in Mission Bay.	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 16.314	San Diego Regionwide Bacteria TMDL Implementation	<b>Objective:</b> To implement the Bacteria TMDL for San Diego Region waters.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	Regionwide - Region 9	Restoration of beneficial uses and water quality objectives in San Diego Region.	7/1/03 to 6/30/08
Implement 16.316	Paleta Creek Sediment TMDL Implementation	<b>Objective:</b> To implement the benthic community degradation and sediment toxicity TMDL for Seventh Street Channel (Paleta Creek)  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 908	Restoration of beneficial uses and water quality objectives in Paleta Creek.	7/1/03 to 6/30/08
Implement 16.318	San Diego Bay Sediment TMDL Implementation	<b>Objective:</b> To implement the TMDL for B Street Broad Piers benthic community degradation and sediment toxicity.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 908	Restoration of beneficial uses and water quality objectives in San Diego Bay.	7/1/03 to 6/30/08
Implement 16.320	Switzer Creek Sediment TMDL Implementation	<b>Objective:</b> To implement the TMDL for Switzer Creek benthic community degradation and sediment toxicity.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 908	Restoration of beneficial uses and water quality objectives in Switzer Creek.	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 16.322	Downtown San Diego Bay Sediment TMDL Implementation	<b>Objective:</b> To implement the TMDL for Downtown Anchorage benthic community degradation and sediment toxicity.  <b>Description:</b> To perform the coordination and enforcement efforts necessary to implement the TMDL.	RWQCB-9	HU 908	Restoration of beneficial uses and water quality objectives in San Diego Bay.	7/1/03 to 6/30/08
Implement 22.016	Public Education	<b>Objective:</b> Promote public education regarding WQ and NPS pollution with a focus on trash.  <b>Description:</b> Conduct Coastal Cleanup Days and Kids Cleanup Days annually. Outreach to schools to educate kids about biological diversity, WQ, and NPS pollution.	CCC	coastal counties	Citizen participation in cleanup events. Education of students about pollution.	7/1/03 to 6/30/08
Implement 3.05	NPDES Stormwater Program Efforts	<b>Objective:</b> Ensure that stormwater runoff from covered municipalities, construction sites, and industrial facilities comply with all applicable water quality standards.  <b>Description:</b> Review SWPPPs; inspect facilities; review reports; take enforcement as necessary; provide public outreach; complaint response	RWQCB-1	Regionwide RB1	Basin Plan compliance	7/1/98 to 6/30/08
Implement 6.005	8th Street Low Flow Diversion and Treatment Project	<b>Objective:</b> Lower the amount of runoff pollution enter the Los Angeles River (01-181-254-0)  <b>Description:</b> Construction and operation of a low-flow diversion and treatment system to remove bacteria, oil and other pollutants from runoff entering the Los Angeles River from the 8th street drainage system near downtown	RWQCB-4	City of Los Angeles	Stormwater BMP implementation	1/2/03 to 1/30/04

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 6.013	Infiltration of Urban Runoff Demonstration Program	<p><b>Objective:</b> Implementation of source reduction strategies</p> <p><b>Description:</b> Demonstrate infiltration BMPs to address nonpoint source pollution control and potential re-use of urban runoff to augment groundwater supply. Project involve installation of several BMPs to capture runoff from light, industrial, commercial and residential environments.</p>	RWQCB-4	Los Angeles County	BMP implementation	1/1/02 to 3/30/04
Implement 6.014	Implement & Eval. of BMPs to Improve Coastal Water Quality	<p><b>Objective:</b> Urban BMP effectiveness study</p> <p><b>Description:</b> In joint effort with UCLA the project will effectively monitor various types of BMPs being implemented in urban areas, and measure indicators that are most relevant for judging potential improvement to water quality, toxicity reduction and removal of pesticides and metals. A key product expected from this project will be a matrix describing the effectiveness of various BMPs for trash, sediments, toxicity and selected chemicals.</p>	RWQCB-4	Los Angeles County	BMP effectiveness matrix	1/15/03 to 1/30/04
Implement 6.015	Malibu Creek Watershed Wide Monitoring Plan	<p><b>Objective:</b> Watershed Monitoring</p> <p><b>Description:</b> Implement a two-year watershed-wide monitoring program integrated with other monitoring efforts with participation by multiple stakeholders. Includes both baseline and hot spot monitoring to track sources. Watershed drains into coastal lagoon and beach areas with heavy recreational use. Multiple impairments in watershed and along coast. Several endangered species utilize lagoon.</p>	RWQCB-4	Los Angeles County	MP implementation	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 6.023	Three Springs Water Quality Improvements	<p><b>Objective:</b> To progress towards de-listing these water bodies and meeting current and future TMDL requirements.</p> <p><b>Description:</b> Install an in-line storm water filtration device in a storm drain leading to Westlake Lake to control sediment loading and remove urban runoff pollutants. Dry weather and first flush runoff would be captured and treated before release to the lake in the Malibu Creek Watershed which has multiple impairments. Nutrient and coliform TMDLs are in development.</p>	RWQCB-4	Los Angeles County	MP implementation	7/1/03 to 6/30/08
Implement 6.024	Montana Basin Dry-Wet Weather Runoff BMP	<p><b>Objective:</b> To protect the beneficial uses of the Santa Monica Bay through control of NPS pollution found in urban runoff.</p> <p><b>Description:</b> Install two-stage treatment/diversion system in a storm drain to treat dry and wet (up to ¾ inch of a ten year storm) weather runoff from a 600-acre drainage basin which flows to Santa Monica Bay and divert to the sanitary sewer. Removal of pollutants (to varying degrees) contributing to impairment of the Bay would result. TMDLs for these pollutants are in development.</p>	RWQCB-4	Los Angeles County	Implement MPs	7/1/03 to 6/30/08
Implement 6.027	Project Connect: Restoring the Creek-Community Connection in	<p><b>Objective:</b> To reduce urban runoff pollution from contaminating Walnut Creek.</p> <p><b>Description:</b> Demonstration project in the Walnut Creek Subwatershed of the San Gabriel River that will develop and implement BMPs to address urban runoff. Includes outreach, establishment of citizen monitoring program, and evaluation of effectiveness of BMPs. Extensive stakeholder support.</p>	RWQCB-4	Los Angeles County	MP implementation and effectiveness evaluation	7/1/03 to 6/30/08

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Implement 6.030	Malibu Creek Watershed Urban Runoff Reduction Project	<b>Objective:</b> To control urban runoff from irrigation systems at Malibu Creek  <b>Description:</b> In the Malibu Creek watershed, urban runoff from inefficient irrigation accounts for the majority of NPS pollution entering local streams and creeks, as large housing tracts are adjacent to nearly all the watershed's major tributaries. These flows are the single most polluted source of water in the creek, with elevated levels of nutrients, metals, organics and bacteria, and impact a broader spectrum of natural and recreational resources than they might in more fully-urbanized areas.	RWQCB-4	Los Angeles County	Control of runoff	7/1/03 to 6/30/08
Implement 6.032	San Gabriel Watershed NPS Pollution Reduction Program	<b>Objective:</b> To reduce pollution to the San Gabriel Watershed  <b>Description:</b> Enhance ongoing NPS management efforts in the National Forest areas of the San Gabriel River Watershed that include trash reduction, streambank stabilization, replacement of septic with composting toilets, and outreach. Implements an existing trash TMDL.	RWQCB-4	Los Angeles County	pollution reduction	7/1/03 to 6/30/08
Implement 6.033	Hamilton Bowl Trash Reduction Project	<b>Objective:</b> To reduce the amount of trash entering the lower Los Angeles River  <b>Description:</b> Install in-line and end-of-pipe capture devices to remove trash and debris from runoff flowing from a 2,127-acre area into a detention basin which discharges to the lower Los Angeles River. Implements an existing trash TMDL.	RWQCB-4	Los Angeles County	trash reduction	7/1/03 to 6/30/08

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**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Implement 6.034	El Rio Sewer System Project	<b>Objective:</b> To eliminate groundwater contamination from septic systems.  <b>Description:</b> Phase-out the use of septic systems in East El Rio which is a major source of NPS pollution and groundwater contamination in this farming area, and construct a lateral main sewer. Implements a Regional Board prohibition on septic systems use in the area.	RWQCB-4	Ventura County	Phased out septic systems	7/1/03 to 6/30/08
Implement 6.043-1	Ventura County Municipal Storm Water NPDES Permit Renewal	<b>Objective:</b> Renew the Ventura County Municipal Storm Water NPDES Permit.  <b>Description:</b> Develop a 2005 Municipal Storm Water NPDES Permit for Ventura County's Principal Co-permittee and the Co-permittees.	RWQCB-4	Ventura County	Adoption of a new Ventura County Municipal Storm Water NPDES Permit.	7/1/03 to 6/1/05
Implement 6.057	ACL 98-076 City of LA, DPW Hyperion WWC System SEP #6	<b>Objective:</b> Provide funding for a joint training program to further improve the knowledge base of City and Regional Board staff. Storm water Staff and Ground water staff (\$15,000 each)  <b>Description:</b> Staff Training. Regional Board staff will overlook the SEP project to ensure milestones and goals are met through regular reports submitted to RB staff by the SEP Proponent/Manager. Reports will discuss the project's standing and what goals, milestones, problems etc. the project has faced during its implementation.	RWQCB-4	Los Angeles	Well-trained Regional Board and City Staffs	7/1/03 to 6/30/08
Implement 6.064	TMDL Implementation Calleguas Creek-Nitrogen	<b>Objective:</b> BMP Implentation for Calleguas Creek  <b>Description:</b> Develop TMDL implementation plan and reschedule of implementation	RWQCB-4	Ventura County	Delisting of 303(d) list	7/1/03 to 6/30/08



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Track/Monitor 11.22	Lake Tahoe BMP Effectiveness&Stormwater Monitoring Study	<b>Objective:</b> Assess the ability of existing BMPs to remove fine sediment and nutrients from urban runoff  <b>Description:</b> Evaluate the cost effectiveness and other attributes of project level and basinwide BMP implementation	RWQCB-6	El Dorado, Nevada, Placer Counties	final report with conclusions and recommendations	3/16/02 to 3/15/05
Track/Monitor 18.007	Chollas Creek OP Monitoring	<b>Objective:</b> Chemical & bioassay monitoring at Chollas Creek  <b>Description:</b> Chemical & bioassay monitoring at Chollas Creek	CDPR	Chollas Creek	Study completed	7/1/03 to 6/30/08
Track/Monitor 6.006	Upper LA River Urban Runoff Pollution Removal Project	<b>Objective:</b> BMP Implementation in industrial, commercial and residential settings. (02-027-254-0)  <b>Description:</b> Modern urbanization and land development decrease the are of impervious surfaces within the watershed of the Los Angeles River. There are a number of pollutants that are associated with different land use activities; they include trash, oil, grease, heavy metals and other contaminates. The beneficial uses of the local waterbodies are also impaired due to excessive amount of trash and pathogenic pollutants. Therefore it is essential to intercept and capture urban runoff pollutants through the appropriate use of structural BMP's in order to preserve and restore the quality of these local waterbodies.	RWQCB-4	City of Los Angeles	BMP implementation; pollution reduction	1/1/02 to 1/30/04

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Track/Monitor 6.007	Implementation of Coliform TMDL for Santa Monica Bay Beaches	<p><b>Objective:</b> Reduce fecal contamination to the Santa Monica beaches.</p> <p><b>Description:</b> Evaluate and characterize sources of fecal contamination to support successful implementation of coliform TMDL for Santa Monica beaches. Project will utilize bacteriological methods and rapid indicator detection technologies to identify sources and mitigation measures.</p>	RWQCB-4	Los Angeles County	reduction in fecal contamination	1/1/02 to 1/30/04
Track/Monitor 6.020	Assessing & Reducing Sources of Plastics/Trash in Urban/Coas	<p><b>Objective:</b> Stormwater-Education &amp; BMP implementation</p> <p><b>Description:</b> Identify sources of plastics and trash (with a concentration on plastic pellets and absorbed toxics) on the Los Angeles and San Gabriel Rivers. Develop and implement BMPs and test their effectiveness in reducing plastic pollutants. Intent is to concentrate on size of plastics which most impact marine life.</p>	RWQCB-4	Los Angeles County	Source identification; BMP implementation	7/1/03 to 6/30/08
Track/Monitor 6.021	Little Dalton Cyn Env. Discovery Ctr and Equestrian Facility	<p><b>Objective:</b> Demonstrate the use of MPs to reduce NPS pollution from equestrian and urban land uses in a subwatershed of the San Gabriel River, Walnut Creek, which has impaired water quality.</p> <p><b>Description:</b> Demonstrate the use of BMPs (e.g., bioswales and constructed wetlands) to reduce NPS pollution from equestrian and urban land uses in a subwatershed of the San Gabriel River, Walnut Creek, which has impaired water quality. Provide data and information for nutrient TMDL development and implementation. Runoff from corralled animal facilities a major problem in Region. A pilot project for the subwatershed plan in development. Excellent stakeholder support.</p>	RWQCB-4	Los Angeles County	Implemented BMPs	7/1/03 to 6/30/08

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Report 6.066	ACL 00-171 County of Los Angeles Sanitation Districts SEP	<p><b>Objective:</b>            Characterize dry weather flow and quality from storm drains in coastal and other water recreation areas within the District's service area</p> <p><b>Description:</b>            Dry Weather Characterization Study. Regional Board staff will overlook the SEP project to ensure milestones and goals are met through regular reports submitted to RB staff by the SEP Proponent/Manager. Reports will discuss the project's standing and what goals, milestones, problems etc. the project has faced during its implementation.</p>	RWQCB-4	Los Angeles County	Completed Study	4/1/02 to 6/30/08
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**Table IIIB**  
**ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES**

Track/Monitor 25.002-1	Inspection and Enforcement of Forest Practice Rules and THPs	<p><b>Objective:</b> Field inspection and enforcement of Forest Practice Rules and Timber Harvest Plan measures designed to prevent or mitigate impacts of timber harvest on water quality and aquatic habitat.</p> <p><b>Description:</b> Active Timber Harvest Plans receive regular field inspections during operations, at completion and during the post-completion, erosion control maintenance period. Corrective action and enforcement used as necessary to gain compliance and abate potential THP-related sources of water pollution.</p>	CDF	Statewide	Compliance with FPRs and implementation of THP mitigations.	7/1/03 to 6/30/08
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